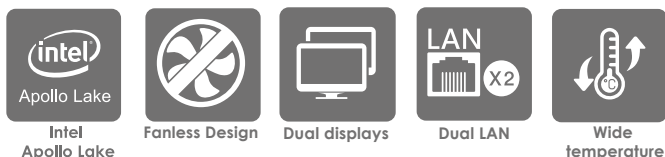


# S300-10AS

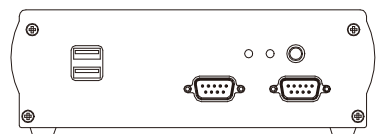
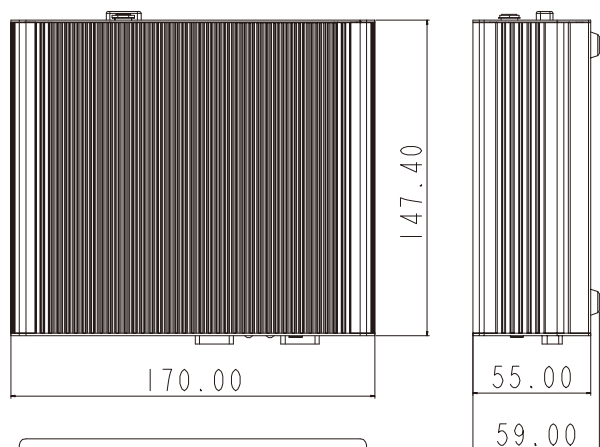
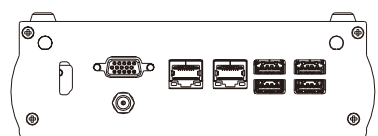
Fanless Embedded System  
with Intel® Apollo Lake-I/M Processor (up to 2.5GHz)

## Introduction

S300 is a fanless embedded system, powered by the latest Intel Apollo Lake performance-enhanced processor. The whole system is less than 1.4 liter size but still with versatile I/O aiming to adapt it in different environments and wide applications.



## Dimension (mm)



## I/O Interface

Front I/O



Rear I/O



## S300-10AS Fanless Embedded System



SYSTEM	
CPU	Intel® Apollo Lake-M N4200 / N3350 Processor Intel® Apollo Lake-I E3930 / E3940 / E3950 Processor
Chipset	Intel® SoC Integrated
System Memory	DDR3L 1867, 1 x 204-pin SO-DIMM, Max. 8 GB (Non-ECC)
Graphics	Intel® HD Graphics
Display Interface	VGA, HDMI
Storage Slot	1 x mSATA
Ethernet	2 x Intel® I210-IT Giga LAN
Audio	Realtek ALC662 / ALC888
I/O Chipset	Nuvoton NCT6116D
Expansion Slot	Storage: Mini PCIe Full size (USB / PCIe / SATA) Wireless: M.2 2230 E key (PCIe / USB)
Indicator	Power Button, Power LED, HDD LED
Front I/O	2 x USB 2.0 1 x RS232, 1 x RS232/422/485 4 x USB 3.0
Rear I/O	2 x RJ-45 1 x VGA 1 x HDMI 1.4 1 x DC-in 2 x SMA Antenna (Optional for WiFi function)
H/W Monitor	Temperature Monitor, Voltage Monitor
Watchdog Timer	1~255 Steps by Software Program
POWER REQUIREMENT	
Power Input	8~24V Wide Range DC-in Jack Connectivity (Default) 8~24V Wide Range DC Input w/Terminal Block Connectivity (Optional)
Power Adapter	AC to DC, DC19V/ 3.4A, 65W adapter
MECHANICAL	
Thermal Design	Fanless
Mounting	Wallmount and VESA Mount Kit (Optional)
Dimensions (W X D X H)	6.7" x 5.8" x 2.2" (170mm x 147mm x 55mm)
Material	Top cover: Aluminum Alloy, Bezel and chassis: Steel
ENVIRONMENTAL	
Operating Temperature	Normal Temp.: 0 ~ 50°C (32 ~ 122°F) Wide Temp. (Optional*) -40 ~ 60°C (-40 ~ 140°F) w/ 0.7 m/s Air Flow & Wide Temp. Memory / Storage
Operating Humidity	10%~90% R/H (Non-condensing)
Vibration Resistance	5Hz~500Hz / 2Grms / 3Axis (Non-operating)
Shock Resistance	120G, 2ms Duration (Non-operating)
Certification	CE & FCC Class A
OS	
OS Support	Windows® 10 64-bit Linux (support by request)

## Ordering Information

\*Must use the wide-temp modules for wide temperature SKU.

Model Number	Processor	Operating Temperature	Model Number	Processor	Operating Temperature
S300-10AS-N3350-NT	N3350	0 ~ 50°C	* S300-10AS-E3930-WT	E3930	-40 ~ 60°C
*S300-10AS-N4200-NT	N4200	0 ~ 50°C	* S300-10AS-E3930-NT	E3930	0 ~ 50°C

\*This is a build-to-order model, please contact our sales team for more sampling or shipping details

## Packing List

Packing			
1 x Embedded System	1 x Quick Installation Guide	1 x Power Adapter (19V, 65W, DC Jack Type)	1 x US + EU Power Cord